

10649612\_QUAL

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4379990 89  
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6411911 87  
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PLUS Search Results for S/N 10649612, Searched January 10, 2005

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10649612 EAST

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10649612 CLS

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10649612 on January 10, 2005

Original Classifications

5	701/29
3	322/28
2	307/10.1
2	318/434
2	322/99
2	324/426
2	324/427
2	324/769
2	340/438
2	702/183
2	702/63

Cross-Reference Classifications

6	280/735
4	320/DIG 13
4	340/438
3	320/123
3	324/426
3	324/771
2	307/10.1
2	307/31
2	315/133
2	320/104
2	320/162
2	322/99
2	324/432
2	340/636.15
2	340/641
2	340/642
2	361/21
2	701/35
2	702/182

Combined Classifications

6	280/735
6	340/438
5	324/426
5	701/29
4	307/10.1
4	320/DIG 13
4	322/28
4	322/99
3	318/434

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3 320/104  
3 320/123  
3 324/427  
3 324/771  
3 701/35  
3 702/183  
2 307/31  
2 315/129  
2 315/133  
2 318/266  
2 320/134  
2 320/162  
2 324/432  
2 324/769  
2 340/514  
2 340/636.15  
2 340/641  
2 340/642  
2 361/21  
2 702/182  
2 702/63

## 10649612 CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10649612 on January 10, 2005

6 280/735 (0 OR, 6 XR)  
 Class 280 : LAND VEHICLES  
 280/29 WHEELED  
 280/727 .Attachment  
 280/728.1 ..Inflatable passenger restraint or confinement  
 t (e.g., air bag) or attachment  
 280/734 ...Responsive to vehicle condition  
 280/735 ....Electric control and/or sensor means

6 340/438 (2 OR, 4 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/425.5 LAND VEHICLE ALARMS OR INDICATORS  
 340/438 .Internal alarm or indicator responsive to a  
 condition of the vehicle

5 324/426 (2 OR, 3 XR)  
 Class 324 : ELECTRICITY: MEASURING AND TESTING  
 324/425 ELECTROLYTE PROPERTIES  
 324/426 .Using a battery testing device

5 701/29 (5 OR, 0 XR)  
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
 RELATIVE LOCATION  
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
 INDICATION  
 701/29 .Vehicle diagnosis or maintenance indication

4 307/10.1 (2 OR, 2 XR)  
 Class 307 : ELECTRICAL TRANSMISSION OR INTERCONNECTION  
 SYSTEMS  
 307/9.1 VEHICLE MOUNTED SYSTEMS  
 307/10.1 .Automobile

4 320/DIG 13 (0 OR, 4 XR)  
 Class 320 : ELECTRICITY: BATTERY OR CAPACITOR CHARGING  
 OR DISCHARGING  
 320/DIG 13 FAULT DETECTION

4 322/28 (3 OR, 1 XR)  
 Class 322 : ELECTRICITY: SINGLE GENERATOR SYSTEMS  
 322/17 AUTOMATIC CONTROL OF GENERATOR OR DRIVING MEAN

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322/28 .Voltage of generator or circuit supplied

4 322/99 (2 OR, 2 XR)  
Class 322 : ELECTRICITY: SINGLE GENERATOR SYSTEMS  
322/99 WITH SIGNALS, INDICATORS, RECORDERS, TESTING,  
ETC.

3 318/434 (2 OR, 1 XR)  
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS  
318/434 LIMITATION OF MOTOR LOAD, CURRENT, TORQUE OR  
FORCE (E.G., PREVENTING OVERLOAD)

3 320/104 (1 OR, 2 XR)  
Class 320 : ELECTRICITY: BATTERY OR CAPACITOR CHARGING  
OR DISCHARGING  
320/103 ONE CELL OR BATTERY CHARGES ANOTHER  
320/104 .Vehicle battery charging

3 320/123 (0 OR, 3 XR)  
Class 320 : ELECTRICITY: BATTERY OR CAPACITOR CHARGING  
OR DISCHARGING  
320/116 SERIALLY CONNECTED BATTERIES OR CELLS  
320/123 .With generator charging source

3 324/427 (2 OR, 1 XR)  
Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/425 ELECTROLYTE PROPERTIES  
324/426 .Using a battery testing device  
324/427 ..To determine ampere-hour charge capacity

3 324/771 (0 OR, 3 XR)  
Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF  
ELECTRIC COMPONENTS  
324/537 .Of individual circuit component or element  
324/771 ..Power supply test

3 701/35 (1 OR, 2 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION  
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
INDICATION  
701/29 .Vehicle diagnosis or maintenance indication  
701/35 ..With data recording device

3 702/183 (2 OR, 1 XR)  
Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR

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TESTING

702/127 MEASUREMENT SYSTEM

702/182 .Performance or efficiency evaluation

702/183 ..Diagnostic analysis

2 307/31 (0 OR, 2 XR)

Class 307 : ELECTRICAL TRANSMISSION OR INTERCONNECTION SYSTEMS

307/11 PLURAL LOAD CIRCUIT SYSTEMS

307/31 .Control of current or power

2 315/129 (1 OR, 1 XR)

Class 315 : ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS

315/129 WITH SIGNAL, INDICATOR, OR ALARM

2 315/133 (0 OR, 2 XR)

Class 315 : ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS

315/129 WITH SIGNAL, INDICATOR, OR ALARM

315/133 .Plural signals, indicators, or alarms

2 318/266 (1 OR, 1 XR)

Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS

318/255 PLURAL DIVERSE MOTOR CONTROLS

318/256 .Motor-reversing

318/264 ..With automatic starting and/or stopping

318/265 ...Stopping upon predetermined movement of or position of motor or driven device

318/266 ....At limit-of-travel of motor or driven device

2 320/134 (1 OR, 1 XR)

Class 320 : ELECTRICITY: BATTERY OR CAPACITOR CHARGING OR DISCHARGING

320/127 BATTERY OR CELL DISCHARGING

320/128 .With charging

320/134 ..With battery or cell condition monitoring (e.g., for protection from overcharging, heating, etc.)

2 320/162 (0 OR, 2 XR)

Class 320 : ELECTRICITY: BATTERY OR CAPACITOR CHARGING OR DISCHARGING

320/137 BATTERY OR CELL CHARGING

320/162 .With detection of current or voltage amplitude

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2 324/432 (0 OR, 2 XR)  
Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/425 ELECTROLYTE PROPERTIES  
324/426 .Using a battery testing device  
324/432 ..To determine battery electrolyte condition

2 324/769 (2 OR, 0 XR)  
Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF  
ELECTRIC COMPONENTS  
324/537 .Of individual circuit component or element  
324/765 ..Test of semiconductor device  
324/766 ...With barrier layer  
324/769 ....Field effect transistor

2 340/514 (1 OR, 1 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/501 .With particular system function (e.g.,  
temperature compensation, calibration)  
340/514 ..Testing

2 340/636.15 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/635 ..Condition of electrical apparatus  
340/636.1 ...Battery  
340/636.15 ....By voltage

2 340/641 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/635 ..Condition of electrical apparatus  
340/641 ...Signalling light element

2 340/642 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/635 ..Condition of electrical apparatus  
340/641 ...Signalling light element  
340/642 ....Plural bulbs or filaments

2 361/21 (0 OR, 2 XR)  
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

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361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES  
361/20 .Generator protective circuits  
361/21 ..Voltage responsive

2 702/182 (0 OR, 2 XR)  
Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR  
TESTING  
702/127 MEASUREMENT SYSTEM  
702/182 .Performance or efficiency evaluation

2 702/63 (2 OR, 0 XR)  
Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR  
TESTING  
702/1 MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT  
702/57 .Electrical signal parameter measurement syste  
m  
702/60 ..Power parameter  
702/63 ...Battery monitoring

above 7  
absent 1  
abstract 1  
accelerate 1  
accompanying 1  
accordance 1  
according 5  
accordingly 2  
accuracy 1  
achieved 1  
activating 2  
actual 1  
actually 1  
addition 1  
adjust 1  
adjusted 1  
advantages 1  
affect 1  
affects 1  
after 4  
ahorneys 1  
alexandru 1  
also 1  
alternate 4  
alternating 5  
although 1  
an 23  
analyzed 1  
and 76  
another 3  
appear 2  
application 2  
applies 1  
apply 1  
applying 12  
are 12  
arlingto 1  
arrangement 7  
as 12  
assembling 1  
at 5  
attain 4  
attempts 2  
atty 1  
avoided 2  
background 1  
based 3  
batteries 1

battery 110  
bawery 4  
be 10  
because 8  
become 1  
becomes 2  
been 6  
before 1  
behaves 1  
being 4  
below 1  
between 1  
binary 1  
binding 1  
block 2  
brief 1  
by 31  
cadmium 1  
cal 1  
calculating 1  
can 4  
cannot 1  
capable 2  
capacitance 3  
capacitor 1  
carrying 1  
case 4  
cation 1  
cause 1  
causes 2  
cell 21  
cells 3  
change 1  
changes 2  
characteristics 11  
charge 4  
charging 11  
chart 3  
charts 3  
chracteristics 1  
circuit 15  
closed 2  
completely 1  
component 3  
con 2  
confirm 1  
conjunction 1  
connected 5

connecting 3  
consequently 1  
considerable 2  
constituting 2  
contrast 1  
control 2  
conventional 1  
current 43  
date 2  
december 1  
defecdve 1  
defective 3  
derives 1  
described 2  
describes 2  
description 3  
detailed 2  
deterioration 7  
determined 1  
determining 3  
development 2  
device 32  
diagnosed 2  
diagnoses 2  
diagnosing 47  
diagnosis 7  
diagnoswg 1  
diagram 3  
diagnoswg 2  
differently 1  
difficult 1  
direct 6  
directly 3  
discharge 2  
discharging 9  
disclosed 1  
discloses 1  
disclosure 1  
divided 1  
dkt 1  
dmfc 4  
do 2  
does 2  
drawings 3  
drive 1  
driven 1  
due 1  
dynnmic 1

easier 5  
electricity 1  
electrode 2  
electrolyte 2  
electromotive 6  
element 7  
embodiment 3  
embodiments 1  
employed 1  
ensuing 1  
eonnected 1  
equivalent 2  
error 2  
errors 1  
es 1  
especially 1  
established 1  
estimating 1  
evaluating 2  
evaluation 2  
even 3  
example 2  
excessively 1  
exchange 1  
exnmple 4  
exnmples 3  
expected 1  
expeditiously 1  
expressed 1  
expression 8  
external 1  
extracted 1  
extracting 1  
extreme 1  
facsimile 1  
factors 1  
fication 1  
field 1  
fig 18  
figs 3  
find 1  
finely 1  
first 1  
floor 1  
flowchart 1  
flowing 2  
follovnge 1  
following 2

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for 39  
force 6  
foregoing 1  
form 7  
forms 1  
forrai 1  
from 8  
fuel 33  
full 1  
fuller 1  
fully 1  
funato 1  
function 6  
fy 1  
gas 1  
generated 3  
generating 1  
glebe 1  
graph 1  
half 1  
has 6  
have 1  
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here 1  
hereinafter 2  
hi 1  
hirohito 1  
hour 1  
hours 2  
however 1  
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hundred 1  
hydrogen 1  
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identify 1  
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illustrates 2  
illustrating 6  
impedance 25  
impossible 1  
in 47  
includes 3  
including 6  
ingenuity 1

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input 7  
internal 5  
intervals 1  
into 6  
invention 14  
inventorlsl 1  
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its 4  
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judge 1  
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judgment 3  
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large 2  
least 1  
level 1  
life 8  
lifetime 2  
like 3  
lithium 4  
ln 6  
load 26  
long 1  
low 1  
made 2  
make 3  
malfunct 1  
manufacturing 4  
margin 1  
mathemat 1  
mathematical 7  
means 2  
measure 3  
measured 16  
measurement 12  
measures 4  
measuring 14  
membrane 1  
methanol 1  
method 20  
mixing 1  
mnking 2  
more 1  
mw 1  
nature 2

necessary 5  
needs 1  
nickel 2  
nixon 1  
nmount 2  
nnethod 1  
no 7  
noise 1  
non 2  
north 1  
not 13  
object 5  
obtain 1  
obtained 5  
obtaining 1  
occur 1  
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once 1  
one 1  
only 2  
operating 1  
operation 2  
optimal 1  
or 11  
order 4  
other 2  
out 1  
output 15  
oxidizer 1  
page 13  
particular 2  
patent 2  
patentapplication 1  
path 5  
pefc 4  
performance 2  
performed 2  
performing 3  
plugging 5  
post 1  
prbs 1  
pre 4  
predetermined 2  
prediction 3  
preferable 2  
present 12  
problem 7

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problems 1  
procedures 2  
process 1  
product 3  
properties 2  
proton 1  
provide 1  
provides 1  
pseudo 1  
publication 4  
pure 1  
random 1  
ranking 1  
realize 2  
reference 3  
referring 1  
relates 1  
reliability 1  
remaining 1  
removed 2  
repeating 1  
representing 3  
required 2  
requires 2  
resistance 1  
resistor 2  
response 1  
responses 1  
result 10  
rm 1  
rmed 1  
roa 1  
roughly 1  
rs 1  
said 2  
sampling 1  
satisfy 1  
schematic 2  
secondary 3  
sect 2  
section 20  
self 1  
september 1  
serial 1  
serially 4  
series 2  
shift 1  
shipment 5

shipped 1  
shorten 2  
shou 1  
should 1  
showing 7  
shown 2  
signal 2  
signall 1  
simulated 1  
small 1  
snmppling 1  
so 3  
sometimes 1  
source 8  
speci 1  
specifically 2  
specification 2  
specifications 1  
state 44  
static 1  
step 11  
steps 6  
still 4  
stmcture 2  
stnzcture 1  
structure 1  
subordinate 1  
subtract 1  
such 3  
suitably 2  
sum 1  
summary 1  
supplied 10  
supply 1  
switch 1  
system 13  
take 1  
taken 1  
takes 3  
temperature 1  
terminal 5  
test 6  
testing 3  
th 1  
than 1  
that 11  
the 200  
then 1

theory 1  
there 4  
therefore 6  
thereto 3  
these 3  
this 12  
three 1  
time 4  
times 1  
tlae 1  
to 68  
tokukaihei 5  
tokukc 1  
transfer 6  
transient 1  
trouble 1  
uel 1  
under 1  
understanding 1  
unexnmined 2  
unknown 1  
us 1  
use 2  
used 6  
using 5  
value 3  
vanderhye 1  
vav 1  
vdt 1  
veu 1  
view 1  
virginia 1  
voltage 32  
vt 1  
wave 8  
way 1  
when 10  
where 1  
whereby 1  
which 6  
while 3  
will 1  
with 13  
without 2  
xthod 1  
yet 1  
yoshitsugu 1